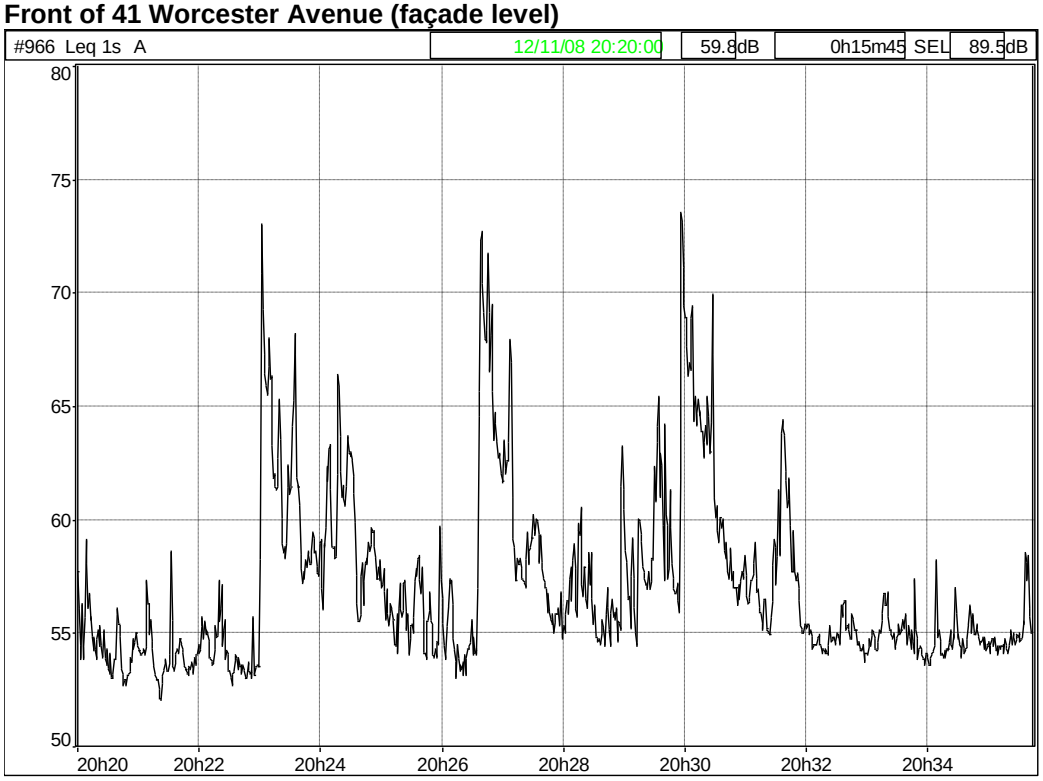
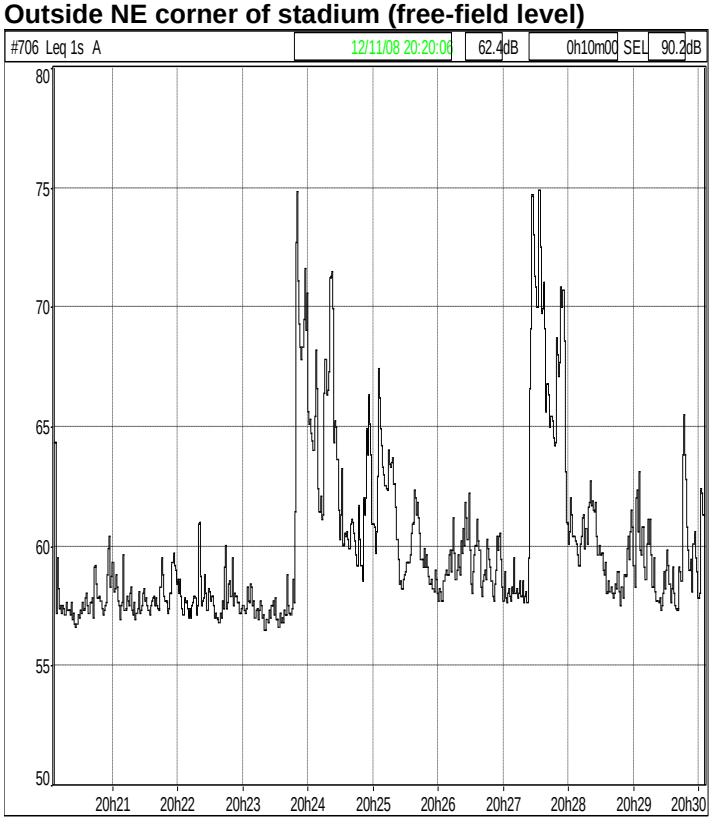
Appendix 13.9 Analysis of Goal Noise Levels

Inside Stadium at south west corner location S6

Front of 41 Worcester Avenue (façade level)



Outside NE corner of stadium (free-field level)



Home Team Goals

1st goal at SW corner within stadium (location S6)	= 102.8 dB $L_{Aeq,39s}$
1st goal at 41 Worcester Avenue (location P4)	= 65.2 dB $L_{Aeq,39s}$
1st goal outside NE corner of stadium (location R17)	= 68.2 dB $L_{Aeq,39s}$
2nd goal at SW corner within stadium (location S6)	= 102.6 dB $L_{Aeq,35s}$
2nd goal at 41 Worcester Avenue (location P4)	= 66.9 dB $L_{Aeq,35s}$
2nd goal outside NE corner of stadium (location R17)	= 69.7 dB $L_{Aeq,35s}$
3rd goal at SW corner within stadium (location S6)	= 102.9 dB $L_{Aeq,35s}$
3rd goal at 41 Worcester Avenue (location P4)	= 67.2 dB $L_{Aeq,35s}$
5th goal at SW corner within stadium (location S6)	= 101.9dB $L_{Aeq,30s}$
5th goal at 41 Worcester Avenue (location P4)	= 66.3 dB $L_{Aeq,30s}$
5th goal at 30 Park Lane (location R11)	= 75.8 dB $L_{Aeq,30s}$
5th goal at Lancaster Close junction with Park Lane (location R12)	= 68.4 dB $L_{Aeq,30s}$

Away Team Goals

4th goal at SW corner within stadium (location S6)	= 103.7 dB $L_{Aeq,30s}$
4th goal at 41 Worcester Avenue (location P4)	= 61.8 dB $L_{Aeq,30s}$
4th goal at Lancaster Close junction with Park Lane (location R12)	= 74.7 dB $L_{Aeq,30s}$
6th goal at SW corner within stadium (location S6)	= 100.7 dB $L_{Aeq,25s}$
6th goal at 41 Worcester Avenue (location P4)	= 59.7 dB $L_{Aeq,25s}$
6th goal at Bromley Road (location R10)	= 58.3 dB $L_{Aeq,25s}$
6th goal at north side of Paxton Road (location R14)	= 61.6 dB $L_{Aeq,25s}$